

Case No: YAMAP0503US

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6-29-01  
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PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re reissue application of: U.S. Patent No. 5,898,394

Serial No.: Unknown

Filing Date: Herewith

For: CODE CONVERSION METHOD AND APPARATUS, CODE  
RECORDING MEDIUM, CODE RECORDING APPARATUS AND CODE  
REPRODUCING APPARATUS

Examiner: Unknown

Art Unit: Unknown

**Box Reissue  
Assistant Commissioner for Patents  
Washington, D.C. 20231**

**PRELIMINARY AMENDMENT**

Sir:

Entry of the following amendments in connection with the above-identified reissue application filed concurrently herewith is respectfully requested.

**AMENDMENTS**

**IN THE CLAIMS:**

Please add new claims 37-42 as follows:

Sub B17  
A1  
37. A method for scrambling data, comprising the steps of:  
generating scramble data having a value which is randomly determined;  
generating a pseudo-random number sequence in accordance with the value of  
the scramble data; and  
generating scrambled data by performing a logical operation on the pseudo-  
random number sequence and data.

38. A method according to claim 37, wherein the value of the scramble data is  
randomly determined on a data unit basis, and each data unit has a predetermined  
size.

Sub D2  
39. A method for recording information onto a recording medium, comprising  
the steps of:  
generating scramble data having a value which is randomly determined;  
generating a pseudo-random number sequence in accordance with the value of  
the scramble data;  
generating scrambled data by performing a logical operation on the pseudo-  
random number sequence and data; and  
recording the scramble data and the scrambled data onto the recording medium.

40. A method according to claim 39, wherein the value of the scramble data is  
randomly determined on a data unit basis, and each data unit has a predetermined  
size.

Sub D3  
41. A recording medium for recording information thereon,  
wherein scramble data and scrambled data are recorded onto the recording  
medium,  
the scramble data has a value which is randomly determined,